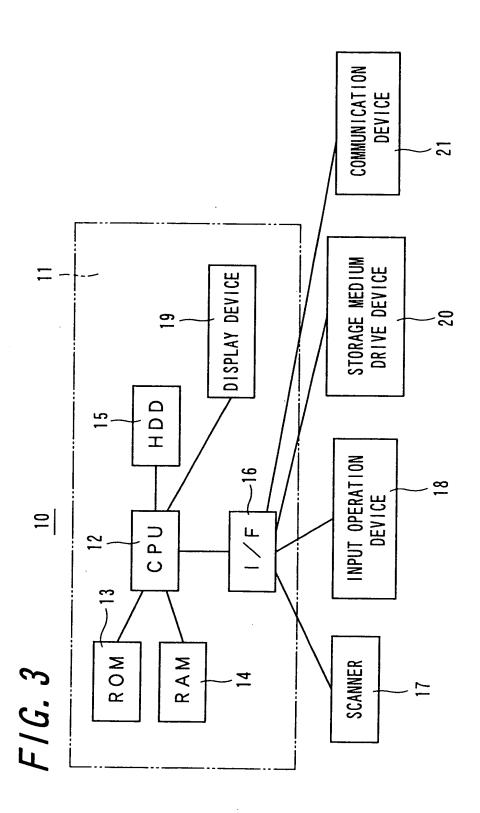
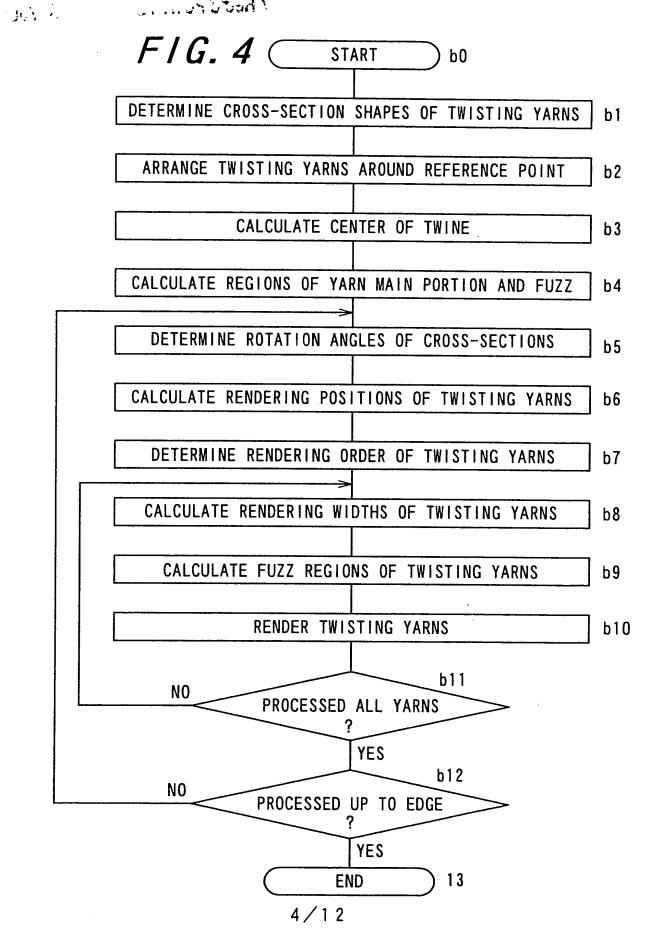


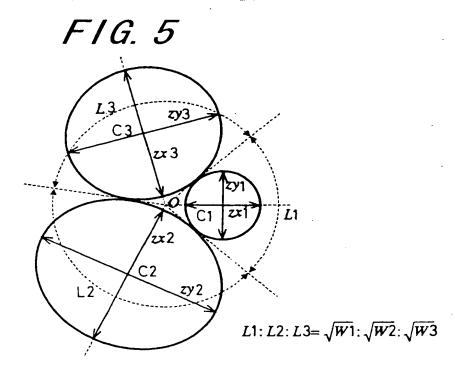
F/G. 2 **START** a0 INPUT OR CREATE YARNS a 1 STORE YARN DATA a2 SET TWISTING YARNS a3 SET TWINE PARAMETERS a4 TWISTING PROCESS a5 PROJECTION PROCESS a6 REPRODUCTION PROCESS a7 a8 YES CHANGE TWINE PARAMETERS NO YES CHANGE TWISTING YARNS NO STORE CREATED YARN DATA a10 **END** a11



The way to be the to

Charlet Start



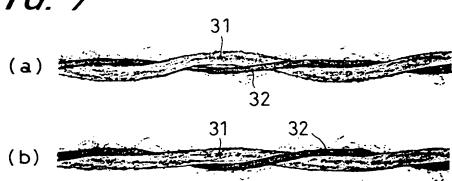


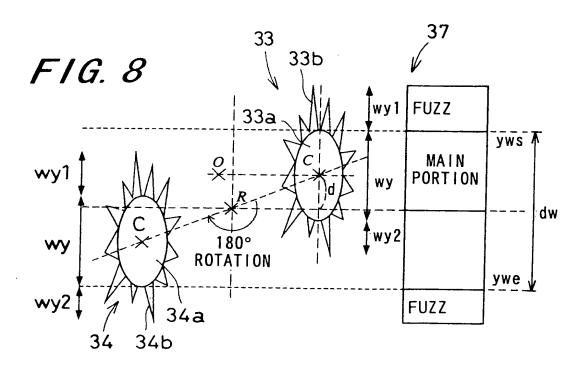
F/G. 6

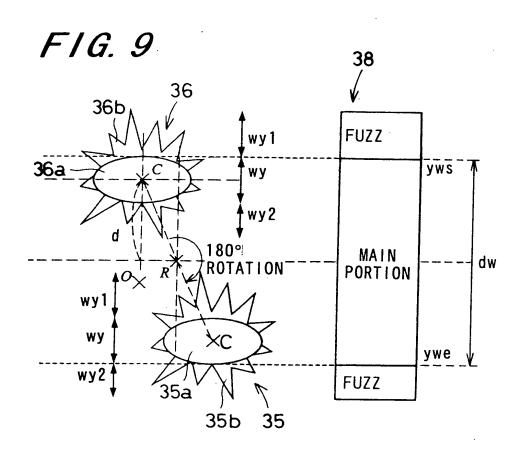
(a)

(b) L_3 α_3 α_3

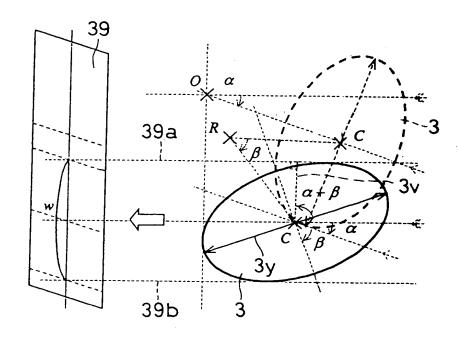




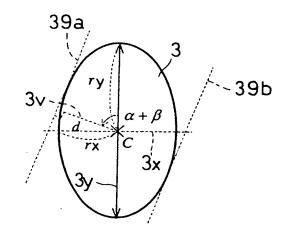




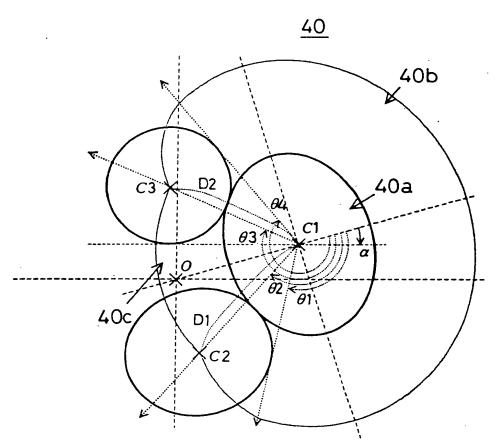
F/G. 10

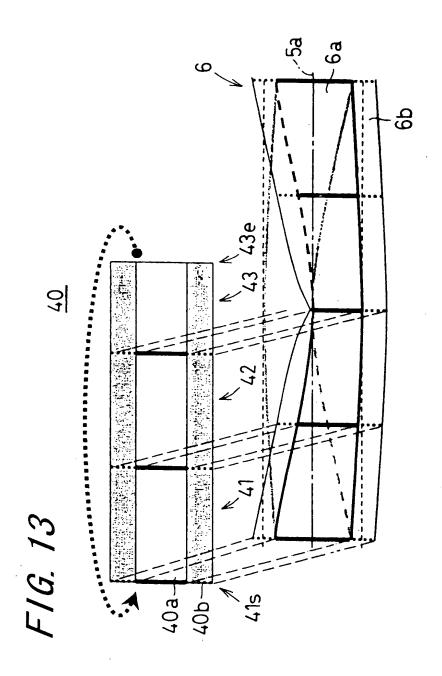


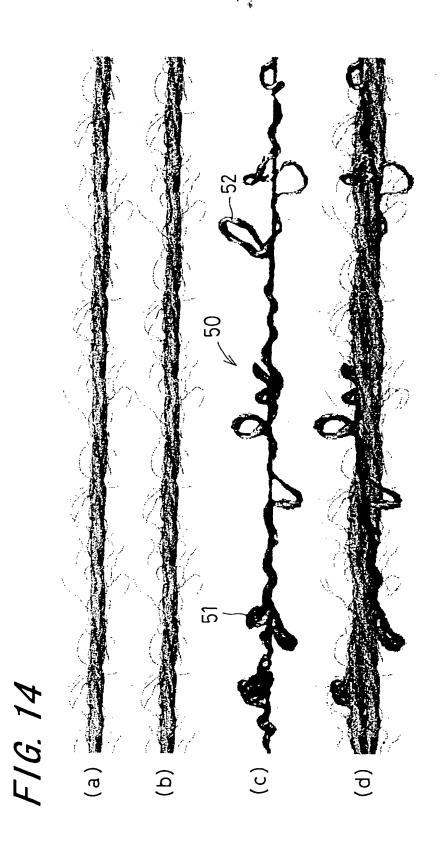
F/G. 11











1 1 / 1 2

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FIG. 15

Yarn 1 (a) Yarn 2 Yarn 3 (c) Yarn 4 Yarn 1+2 Yarn 1+2+3 Yarn 1+2+3+4